

I Claim
CLAIMS

a

1 An avian reovirus belonging to an antigenic class of avian reoviruses, ~~characterised in~~
 a ~~that the avian reovirus belonging to the antigenic class is able to induce antiserum in~~
 5 an animal, which antiserum causes a reduction of the plaques formed by avian
 reovirus ERS, a sample of which is deposited at the ECACC under accession no.
 99011475, of at least 75% in a plaque reduction assay.

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a 2 ~~The~~ ^{wherein} ~~An avian reovirus according to claim 1, characterised in that the induced antiserum~~
 against the avian reovirus is able to cause a reduction of the plaques formed by avian
 reovirus ERS, a sample of which is deposited at the ECACC under accession no.
 a 99011475, of at least 80 %, ~~preferably at least 90%~~, in a plaque reduction assay.

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a 3 ~~The~~ ^{which} ~~An avian reovirus according to claim 1, or 2, characterised in that the avian reovirus~~
 positively reacts with polyclonal avian reovirus antiserum but not with monoclonal
 a antibodies samples of which are deposited at the ECACC under accession ~~no.~~ ^{nos.}
 99011472, 99011473 and 99011474.

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a 4 ~~The~~ ^{which} ~~An avian reovirus according to claim 3, characterised in that it is avian reovirus ERS,~~
 a sample of which is deposited at the ECACC under accession no. 99011475.

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~~Sub. A B1~~
 a 5 ~~A vaccine for use in the protection of poultry against disease conditions resulting from~~
 a ~~an avian reovirus infection, comprising an avian reovirus according to~~ ^{claim 1} ~~claims 1-4,~~ and
 a pharmaceutical acceptable carrier or diluent.

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a 6 ~~The~~ ^{which} ~~A vaccine according to claim 5, characterised in that the avian reovirus is in a live~~
 attenuated form.
 a 7 ~~The~~ ^{which} ~~A vaccine according to claim 5, characterised in that the avian reovirus is in an~~
 inactivated form.

a 8 ^{The} A vaccine according to claims 5-7, ^{claim 5, which} characterised in that the vaccine further comprises an adjuvant.

a 9 ^{The} A vaccine according to claims ~~5-8~~, ^{claim 5, which} characterised in that the vaccine further comprises one or more vaccine components of other pathogens infectious to poultry.

a 10 A method for the preparation of avian reoviruses ^{as} defined in ^{claim 1} ~~claims 1-4~~ comprising the steps of:

- a. inoculating a susceptible substrate with the avian reovirus,
- b. propagating the avian reovirus, and
- c. harvesting avian reovirus containing material.

a 11 A method for the preparation of a vaccine ~~for use in the protection of poultry against~~ disease conditions resulting from an avian reovirus infection, comprising combining the harvested reoviruses obtained by the method according to claim 10, if desired after ~~inactivation of the reoviruses~~, with a pharmaceutical acceptable carrier or diluent.

a 12 A method for controlling disease conditions resulting from an avian reovirus infection in poultry, comprising administering the vaccine according to ^{to claim 5} ~~claims 1-4~~ to the birds.

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